

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Ross, et al.

Examiner: Toan C. To

Serial No.: 10/051,968

Group Art Unit: 3616

Filed: January 16, 2002

For: SPACER APPARATUS FOR SUSPENSION BEAM BUSHING ASSEMBLIES

AFFIDAVIT UNDER 37 C.F.R. § 1.132

STATE OF OHIO)	
)	SS
COUNTY OF STARK)	

John Edward Ramsey, being duly sworn, does hereby depose and say as follows, having personal knowledge of the facts sworn to herein:

- 1. That he attended college at the University of Akron from 1970 to 1972 and 1983; and Kent State University from 1973 to 1974; and Broward Community College from 1976 to 1979; and graduated summa cum laude from Walsh University with a bachelor's degree in business in 2002.
- 2. That he completed course work in subject matter including math, machine design, DC and AC currents, chemistry, physics and graphics;
- 3. That he was employed at Spectrum Designs, Novatronics and Wean United from about 1972 to about 1980;

4.	That during his employ at Spectrum Designs he designed tooling for Pratt &
Whitney Ai	rcraft Engines;
5.	That he worked in Electromechanical Design at Novatronics;
6.	That he worked as a machine shop helper at Wean United;
7.	That he has been employed by Hendrickson Trailer Suspension Systems, a
division of	The Boler Company, in Canton, Ohio, or its predecessors in interest, since about
1980, first a	as a suspension designer;
8.	That in about 1983 to 1984, he was promoted to a design engineer;
9.	That in about 1987, he was promoted to a project engineer;
10.	That in about 1991, he was promoted to a principal engineer;
11.	That in about 1995, he was promoted to senior principal engineer;
12.	That in about 2000, he was promoted to Manager of New Product Development

and currently holds that position;

- 13. That "glove washer" and "cap style spacer" each is a term used to describe the invention claimed in Claims 1-4 and 11 of U.S. Patent Application Serial No. 10/051,968 filed January 16, 2002, and assigned to The Boler Company.
- 14. That under his direction, two graphs were prepared, attached as Exhibits A and B to this Affidavit, showing, respectively, for each of the years 2003 and 2004, the number of cap style spacers sold directly to customers for use on existing customer suspension assemblies, and the number of cap style spacers used by The Boler Company on its suspension assemblies sold to its customers; and that such sale and use figures include cap style spacers sold and used by all U.S. and international divisions/operations/companies of The Boler Company.
- 15. That the 2003 graph shows rapid acceptance after commercial introduction of the cap style spacers of The Boler Company, as well as sustained commercial acceptance/success.
- 16. That the 2004 graph shows increasing commercial acceptance/success of the cap style washers.
- 17. That he compiled the Glove Washers Regional Managers Reports attached hereto as Exhibit C.
- 18. That the individual glove washer questionnaires which form a part of the Glove Washer's Regional Managers Reports are labeled "CUSTOMER A-H." That in each questionnaire, the company name of the customer, its address, its contact, the date, its phone, the trailer builder, the suspension, the configuration, the trailer D.I.S. and the serial number, together with other selected information on certain questionnaires, have been redacted at his direction due

to the confidential and/or proprietary and/or sensitive business information nature of such redacted information.

- 19. That the glove washer questionnaire completed and submitted to Hendrickson by Customer A and Hendrickson Regional Managers is evidence of long-felt need in the art, as well as quick acceptance and commercial success of the glove washers.
- 20. That the glove washer questionnaire completed and submitted to Hendrickson by Customer B and Hendrickson Regional Managers is evidence of long-felt need in the art, as well as quick acceptance and commercial success of the glove washers.
- 21. That the glove washer questionnaire completed and submitted to Hendrickson by Customer C and Hendrickson Regional Managers is evidence of long-felt need in the art, as well as quick acceptance and commercial success of the glove washers.
- 22. That the glove washer questionnaire completed and submitted to Hendrickson by Customer D and Hendrickson Regional Managers is evidence of long-felt need in the art, as well as quick acceptance and commercial success of the glove washers.
- 23. That the glove washer questionnaire completed and submitted to Hendrickson by Customer E and Hendrickson Regional Managers is evidence of long-felt need in the art, as well as quick acceptance and commercial success of the glove washers.

24. That the glove washer questionnaire completed and submitted to Hendrickson by Customer F and Hendrickson Regional Managers is evidence of long-felt need in the art, as well as quick acceptance and commercial success of the glove washers.

25. That the glove washer questionnaire completed and submitted to Hendrickson by Customer G and Hendrickson Regional Managers is evidence of long-felt need in the art, as well as quick acceptance and commercial success of the glove washers.

26. That the glove washer questionnaire completed and submitted to Hendrickson by Customer H and Hendrickson Regional Managers is evidence of long-felt need in the art, as well as quick acceptance and commercial success of the glove washers.

Further Affiant sayeth not.

HN EDWARD RAMSEY

BEFORE ME, a Notary Public in and for said County and State, personally appeared **John Edward Ramsey,** who signed the foregoing AFFIDAVIT in my presence and who acknowledged the same to be his free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal this 19th day 005.

| January Public | 19th day 19th d

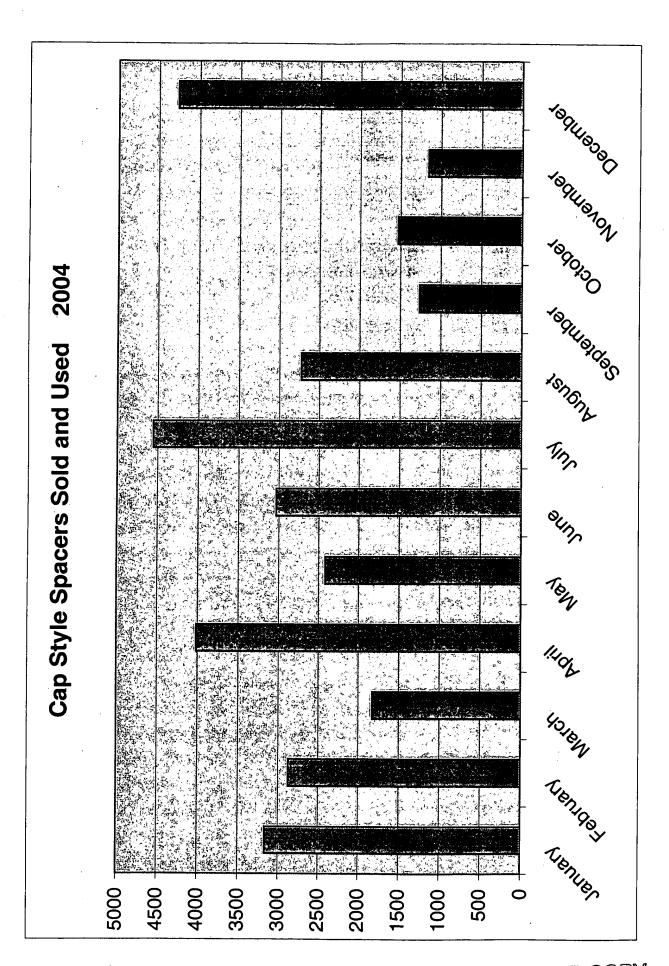
of January, 2005.

(SEAL)

Attorney Docket No. HEND-AI (45007-144)

«CT2:429424_1»

EXHIBIT A

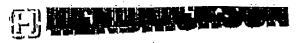


Glove Washers

REGIONAL MANAGERS REPORTS



February 2004



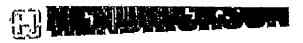
Company Name			Date:	
Address!			Phone:	
Contact: Trailer Builder:			Suspension:	
Configuration:	1		Trailer D.I.S	11 cm - 27 cm
Serial No:				In Service
Glove Washers	Date Fitted:	03/03	Date Removed:	
Fleet Purchased G Failure Not Picked Oamage Was Don	To Hangers And Tra	ng In Western Qui	Them Fall Out After Only \ eensland. I Glove Type Wear Collars Original Collars Filted.	
Operators Comi Glove Type Collar Fluet Is Happy Wi	nents: s Have So Far Lasted th These Results At T	3 Times The Amor	unt Of Time The Fiat Collar	's Were In Service.
Unfortunately Du Comments From Suspension But I Have Given Me N My Conclusion Bu	Trailer Heets And Built t Is No Good For Any lany Sicepless Nights. Ised Upon Current Ava	Off-Road Work, A	s The Ficet Will Not Take Ind Have Boen That We Have polications Such As Loggine The Collars Work Very Wearable Part, They Are Ha	g, Livestock And Mining ell. In Some Of These appy, Going Standard
				, a
		4,		



Company Name Date:
Address: Phone: Phone:
Trailer Builder: Suspension:
Configuration; Trailer D.I.S
Serial No: Slove Washers Date Fitted: November 2003 Date Removed:
History: have had a history of their Tippers with fitted, chopping out the wear pads and Bush Migration.
This tanker has experienced the same issues with Rays must turn sharply on concrete pads when loading and unloading
Operators Comments: It is early days yet, but since fitting to have also fitted to units progressively There appears to be a significant improvement with very little evidence of wear in the glove washers
Regional Managers Comments: This has been an ongoing issue with the flect and caused them to revert lp on the last order. Their confidence in our Suspension has been increased with this change.



Conspany Name	Date:
Address:	
Contact:	Phone!
Trailer Builder:	Suspension:
Configuration:	Trailer D.I.S
Serial No: Glove Washers	Date Fitted: November 2003 Date Removed:
200 kms unmade q	
Got to be a major i	· · · · · · · · · · · · · · · · · · ·
Drivers also have e	xpressed significant improvement in handling and stability
Operators Comm is marketed Glove washer is ab A major national fi	as a Extreme Duly Package. solute must if we are to regain customer confidence and retain the business of
,	ers Comments: ongoing issue with the fleet and caused them to revert to on the last order.
Their confidence i	n our Suspension has been increased with this change.



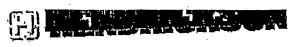
Company Name Date:
Address:
Contact: Phone:
Trailer Builder: Suspension:
Configuration: Trailer D.I.S
Serial No:
Glove Washers Date Fitted: November 2002 Date Removed: Still in Service
History: The type of application of these Cane Trailers is severe The Standard wear pads that were used prior on this trailer only had a six month service period.
Operators Comments: The fleet owner has had trouble tracking the trailer, But has found is The fleet owner has now covered 250,000 km since the glove washers were installed The trailer has now covered 250,000 km since the glove washers were installed and is more than happy with the results, The fleet has purchased new tankers since and have been fitted with Glove washers. The general condition of the wear washers is "Very Good"
Regional Managers Comments: From my point of view and comment from other fleets. The Glove washer is a great Upgrade,



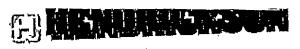
ompany Name	Date:
(ddress:	Phone:
Contact	Suspension:
railer Builder:	Trailer D.I.S
Configuration:	Transcrute Viero
Serial No: Date Fi	tted: December 2002 Date Removed: October 2003
History: 12. Glove style washers suppli The trailer has travelled appro	ed by Hendrickson were fitted to a Tipper on 20 th December 2002 bx. 180,000 km or more.
At the moment there is no slo Since the first set of washers	yere filted we now fit them as standard fitment when bushes are replaced.
Needs replacing. The same washer wears the	thing but trouble — allowing beam migration on the bush nside of the hanger cutting a circle and wearing the hanger, which in turn centre out and gives no support at all. fitting of the Glove washer to reduce all problems from the previous style wa
Regional Managers Com Customer is very happy will This operator runs 50% Off	ments:



ompany Name	Date:
ddress:	
ontacti	Phone:
railer Builder:	Suspension:
onfiguration:	Trailer D.Y.S
erial No:	
love Washers Date Fitted:	December 2003 Date Removed:
listory: Customer has accepted regular replace	ement of wear pads due to severe conditions encountered
n Northern Australia	
Jush Migration has been an issue, but	t only if the wear pads were not maintained.
a manufacture of annual comments of the second seco	
Operators Comments: 100 early to tell, but has got to be a	major improvement
100 many to ten, obe has get as a	d handling chariteristics on multi trailer road trains
Drivers have commented on improved	U TIGHTER STATE OF THE STATE OF
Regional Managers Comments: Product improvement to reduce main	ntenance has got to be a priority to retain major ficet customer.
LIOPACE HIBIOTANIA	



Ompany Name			Date: The Date
Address:			
Contact:		N. T.	Phone:
Frailer Builder:			Suspension:
Configuration:			Trailer D.I.S
Serial No:			
Glove Washers	Date Fitted:	July 2002	Date Removed: Still in Service
These trailers are a Previously the traile	ways turning on ug rs had to be taken i esullant down time.	out of serviced to cha	ound the clock for approx. 3 months at a time of the trip. ange the wear pads at least once during the
Season. The units washers Could not Hanger wear When these become We are into our 3 rd	ital value (\$350,000 have a 1 hour main be accommodated we have tried some available we only season with not a	for - this meant the e fixes of our own w too willing to try the failure. To say we a	e utilised to maximum capacity during the ween shifts and premature failure of the units wear kept working with resultant with not a lot of success. em — they have been a great success and are happy would be an understatement. Road Train Tippers and specified it on our ne
Regional Manag The owners comm Here was a custon	eats show how bied	nse they are with this	s improvement. off and now is speccing it on new trailers



Address: Contact: Trailer Builder: Suspension: Trailer D.I.S Configuration: Trailer D.I.S Serial No: Glove Washers Date Fitted: July 2002 Date Removed: History: This customer has had a long history of Bush Migration on trailers Tippers and Dollies in mining and Off Road applications on Road Trains. They have tried many "Fixes" including making their own "Bush". Wear pads normally last 3 months and bush migration starts soon after. Operators Comments: This fleet has gone to other suspension suppliers for all their gear since 2001, mainly due to the Bush Migration issue. This fleet has gone to other suspension suppliers for all their gear since 2001, mainly due to the Bush Migration issue. This fleet has gone to other suspension suppliers for all their gear since 2001, mainly due to the Bush Migration issue.	ompany Name	Date:
Configuration: Configuration: Suspension: Trailer Builder: Configuration: Trailer D.I.S Serial No: Glove Washers Date Fitted: July 2002 Date Removed: History: History: The customer has had a long history of Bush Migration on trailers Tippers and Dollies In mining, and Off Road applications on Road Trains. They have tried many "Fixes" including making their own "Bush". Wear pads normally last 3 months and bush migration starts soon after. Operators Comments: Dolly has been operating non stop in Mining operation Manager is "very Happy" with the Dolly. Can't get it back to the workshop to remove the Glove Washers as nothing has gone wrong and do not Wint to take it out of service. Regional Managers Comments: This fleet has gone to other suspension suppliers for all their gear since 2001, mainly due to the Bush Migration issue.		
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Midration issue.	Dolly has been operating non stop in Manager is "very Happy" with the Dolly. Can't get it back to the workshop to rem	The state of the s
The fact that the Glove Washers die Working 13 4 9 9 9	Midration Issue.	orking is a good start to winning back their business.

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